

OMRON

TL-X□-□E, X□-P1E
X□-□L, X□-P1L
X□-GL, X□-M4L

- 近接スイッチ取扱い説明書
- PROXIMITY SWITCH INSTRUCTION MANUAL
- DÉTECTEUR DE PROXIMITÉ GUIDE D'UTILISATION
- NÄHERUNGSINITIATOR BEDIENUNGSANLEITUNG
- SENSORE DI PROSSIMITA ISTRUZIONI D'USO
- INTERRUPTOR DE PROXIMIDAD MANUAL DE INSTRUCCIONES

0673727-1B

注意
CAUTION
ATTENTION
BEACHTUNG
ATTENZIONE
ATENCIÓN

この商品は人体の保護を目的とした安全回路にはご使用いただけません。

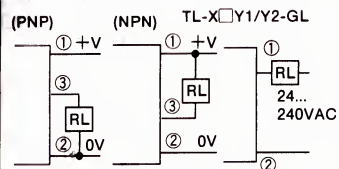
Do not use this product as a safety device nor a part of safety systems for ensuring safety of persons.

Ne pas utiliser ce produit en tant que dispositif de sécurité ou même élément de dispositif assurant la sécurité de personnes.

Verwenden Sie dieses Produkt nicht als Sicherheitseinrichtung oder Teil eines Sicherheitssystems für den Personenschutz.

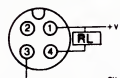
Non utilizzare questo prodotto né come dispositivo né come parte di un sistema per tutelare la sicurezza delle persone.

No utilizare este producto como dispositivo de seguridad ni como parte de sistemas de seguridad para garantizar la seguridad de personas.

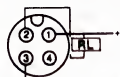


①	茶	Brown	Marron	Braun
②	青	Blue	Bleu	Blau
③	黒	Black	Nair	Schwarz
①	Marrone		Marrón	
②	Blu		Azul	
③	Nero		Negro	

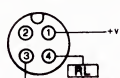
TL-X□C1-P1L(NPN/NO)



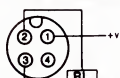
TL-X□C2-P1L(NPN/NC)



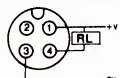
TL-X□B1-P1L(PNP/NO)



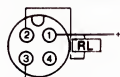
TL-X□B2-P1L(PNP/NC)



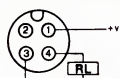
TL-X□C1-P1E(NPN/NO)



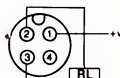
TL-X□C2-P1E(NPN/NC)



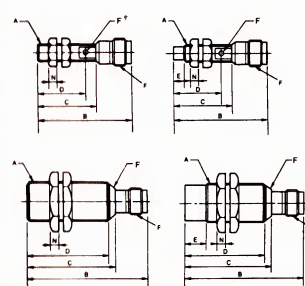
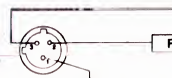
TL-X□B1-P1E(PNP/NO)



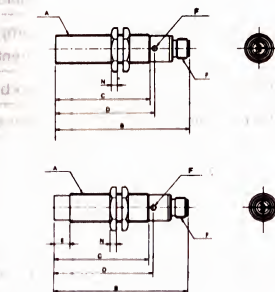
TL-X□B2-P1E(PNP/NC)



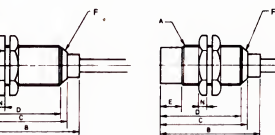
TL-X□Y1/Y2-M4L



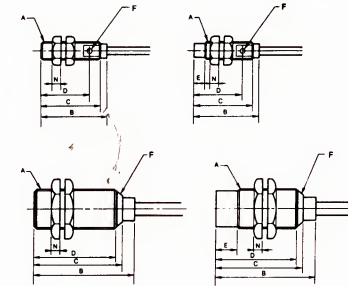
		A	B	C	D	E	F	N
TL-X1R5C(B)□-P1E	M8, P = 1	43	27	24	-	M12, P = 1	4	
TL-X2MC(B)□-P1E	M8, P = 1	43	27	24	5	M12, P = 1	4	
TL-X2C(B)□-P1E	M12, P = 1	49	-	32	-	M12, P = 1	4	
TL-X5MC(B)□-P1E	M12, P = 1	49	-	32	7	M12, P = 1	4	
TL-X5C(B)□-P1E	M18, P = 1	55	40	37	-	M12, P = 1	4	
TL-X10MC(B)□-P1E	M18, P = 1	55	40	37	10	M12, P = 1	4	
TL-X10C(B)□-P1E	M30, P = 1.5	60	45	42	-	M12, P = 1	5	
TL-X18MC(B)□-P1E	M30, P = 1.5	60	45	42	13	M12, P = 1	5	



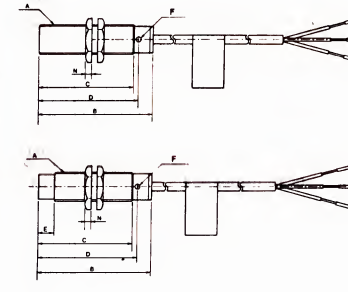
		A	B	C	D	E	F	N
TL-X2Y□-M4L	M12, P = 1	80	55	58	-	1/2-20UNF	4	
TL-X5MY□-M4L	M12, P = 1	80	55	58	7	1/2-20UNF	4	
TL-X5Y□-M4L	M18, P = 1	85	60	63	-	1/2-20UNF	4	
TL-X10MY□-M4L	M18, P = 1	85	60	63	10	1/2-20UNF	4	
TL-X10Y□-M4L	M30, P = 1.5	90	65	68	-	1/2-20UNF	5	
TL-X18MY□-M4L	M30, P = 1.5	90	65	68	-	1/2-20UNF	5	



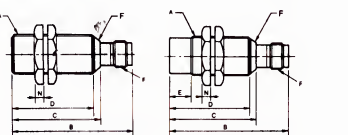
		A	B	C	D	E	N
TL-X2C(B)□-□L	M12, P = 1	58	53	50	-	4	
TL-X5MC(B)□-□L	M12, P = 1	58	53	50	7	4	
TL-X5C(B)□-□L	M18, P = 1	68	63	60	-	4	
TL-X10MC(B)□-□L	M18, P = 1	68	63	60	10	4	
TL-X10C(B)□-□L	M30, P = 1.5	73	68	65	-	5	
TL-X18MC(B)□-□L	M30, P = 1.5	73	68	65	13	5	



		A	B	C	D	E	N
TL-X1R5C(B)□-□E	M8, P = 1	32	29	24	-	4	
TL-X2MC(B)□-□E	M8, P = 1	32	29	24	5	4	
TL-X2C(B)□-□E	M12, P = 1	40	35	32	-	4	
TL-X5MC(B)□-□E	M12, P = 1	40	35	32	7	4	
TL-X5C(B)□-□E	M18, P = 1	45	40	37	-	4	
TL-X10MC(B)□-□E	M18, P = 1	45	40	37	10	4	
TL-X10C(B)□-□E	M30, P = 1	50	45	42	-	5	
TL-X18MC(B)□-□E	M30, P = 1	50	45	42	13	5	



		A	B	C	D	E	N
TL-X2Y□-GL	M12, P = 1	70	55	58	-	4	
TL-X5MY□-GL	M12, P = 1	70	55	58	7	4	
TL-X5Y□-GL	M18, P = 1	72	60	63	-	4	
TL-X10MY□-GL	M18, P = 1	72	60	63	10	4	
TL-X10Y□-GL	M30, P = 1.5	77	65	68	-	5	
TL-X18MY□-GL	M30, P = 1.5	77	65	68	13	5	



		A	B	C	D	E	F	N
TL-X2C(B)□-P1L	M12, P = 1	67	-	50	-	M12, P = 1	4	
TL-X5MC(B)□-P1L	M12, P = 1	67	-	50	7	M12, P = 1	4	
TL-X5C(B)□-P1L	M18, P = 1	78	63	60	-	M12, P = 1	4	
TL-X10MC(B)□-P1L	M18, P = 1	78	63	60	10	M12, P = 1	4	
TL-X10C(B)□-P1L	M30, P = 1.5	83	68	65	-	M12, P = 1	5	
TL-X18MC(B)□-P1L	M30, P = 1.5	83	68	65	13	M12, P = 1	5	

Unit(mm)

F 動作表示灯 Operation indicator Indicateur d'opération Bereichsanzeige Spia funzionamento Indicador de operación

TL-X□						NPN	1R5C□-(G) E 1R5C□-P1E	2MC□-(G) E 2C□-(G) E 2C□-GL 2C□-P1L 2MC□-P1E 2C□-P1E	5MC□-(G) E 5C□-(G) E 5MC□-GL 5C□-GL 5MC□-P1L 5C□-P1L 5MC□-P1E 5C□-P1E	10MC□-(G) E 10C□-(G) E 10MC□-GL 10C□-GL 10MC□-P1L 10C□-P1L 10MC□-P1E 10C□-P1E	18MC□-(G) E 18C□-(G) E 18MC□-GL 18C□-GL 18MC□-P1L 18C□-P1L 18MC□-P1E 18C□-P1E
						PNP	1R5B□-(G) E 1R5B□-P1E	2MB□-(G) E 2B□-(G) E 2B□-GL 2B□-P1L 2MB□-P1E 2B□-P1E	5MB□-(G) E 5B□-(G) E 5MB□-GL 5B□-GL 5MB□-P1L 5B□-P1L 5MB□-P1E 5B□-P1E	10MB□-(G) E 10B□-(G) E 10MB□-GL 10B□-GL 10MB□-P1L 10B□-P1L 10MB□-P1E 10B□-P1E	18MB□-(G) E 18B□-(G) E 18MB□-GL 18B□-GL 18MB□-P1L 18B□-P1L 18MB□-P1E 18B□-P1E
								2Y□-GL 2Y□-M4L	5MY□-GL 5MY□-M4L 5Y□-GL 5Y□-M4L	10MY□-GL 10MY□-M4L 10Y□-GL 10Y□-M4L	18MY□-GL 18MY□-M4L
検出距離	Sensing distance	Distance de détection	Erfassungsabstand	Distanza di rilevamento	Distancia de detección nominal	1.5mm±10%	2mm±10%	5mm±10%	10mm±10%	18mm±10%	
電源電圧	Supply voltage	Tension d' alimentation	Nennspannung	Tensione di alimentazione	Tensión de alimentación	□C / □B: 12... 24VDC, Y: 24... 240VAC 50 / 60Hz					
リップル (最大)	Ripple (max)	Taux d' ondulation (max)	Restwelligkeit (max)	Ondulazione (max)	Rizado (máx)	□C / □B: ≤10%, Y: -					
(使用電圧範囲)	(Operating voltage range)	(Plage de tension admissible)	(Betriebs-Spannungsbereich)	(Campo tensioni di alimentazione)	(Rango de tensión de operación)	□C / □B: 10... 40VDC, Y: 20... 264VAC 50 / 60Hz					
消費電流	Current consumption	Courant Consommé	Stromaufnahme	Assorbimento	Consumo	□C / □B: ≤15mA, Y: ≤5mA					
設定距離	Setting distance	Distance de réglage	Eingestellter Schaltabstand	Distanza utile di rilevamento	Distancia de detección efectiva	0... 1.2mm	0... 1.6mm	0... 4mm	0... 8mm	0... 14mm	
応差の距離	Differential travel	Distance différentielle	Hysteresis	Distanza differenziale	Distancia diferencial	≤10%					
応答周波数	Response frequency	Fréquence de réponse	Ansprechfrequenz	Frequenza d' azionamento	Frecuencia de respuesta	1KHz	800Hz	MC / MB: 400Hz C / B: 350Hz	MC / MB: 200Hz C / B: 250Hz	100Hz	
						Y: 25Hz					
制御出力 (最大)	Max. Control output	Sortie de controle. Max	Max. Ausgangsleistung	Max. Uscita	Salida de control. máx	□C / □B: ≤ 200mA, Y: 5... 200mA					
使用周囲温度	Operating temperature	Température ambiante	Betriebstemperatur	Temperatura ambiente	Temperatura de operación	- 40... 70°C					
使用周囲湿度	Operating humidity	Humidité ambiante	Umgebungsfeuchtigkeit (Betrieb)	Umidità ambiente	Humedad de operación	35... 95% RH					
保護構造	Degree of protection	Indice de protection	Schutzart	Grado di protezione	Grado de protección	IP67					

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